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(54) **Multidirection multiplex communication system.**

(57) A TDM/TDMA (Time Division Multiplex/Time Division Multiple Access) multidirection multiplex communication system of the type using a demand assignment protocol. The system has a multiframe arrangement in which each unit frame is constituted by a frame synchronization signal, a connection con-

trol signal for setting up radio channels, N conversation channels, and a single additional bit transmission channel shared by the N conversation channels. When N unit frames are combined in a multiframe format by a frame synchronization signal, N additional bit transmission channels are provided in total.

**FIG. 3**

